

**From:** Richard Scharlach  
**To:** [Peycke, Karen](#)  
**Cc:** [Kemp, Mary](#); [Johnson, Paul](#); [Perry, Amber](#); [Kristian Livingston](#); [Nathan Hoppe](#); [Anna Brulloths](#); [Richard Scharlach](#)  
**Subject:** RE: Lead Screening Levels for Residential, Commercial, and Industrial Uses  
**Date:** Wednesday, February 25, 2015 5:24:47 PM  
**Attachments:** [image001.png](#)

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Karen

As a good starting point on how lead soil contamination is addressed at Texas VCP sites, please see our guidance document "Establishing Critical Protective Concentration Levels (PCLs) for Lead-Affected Soils" at the following website:

<http://www.tceq.state.tx.us/assets/public/remediation/vcp/leadguid.pdf>

**The Texas (i.e. Texas Risk Reduction Program / TRRP ) default cleanup levels for lead in soil are as follows:**

- Soil to Groundwater: 3.0 mg/kg (Class I/II GW), or 300 mg/kg (Class III GW). Site specific Soil to Groundwater cleanup level (i.e. Tier 2) can be calculated using standard equations and site specific affected property parameter values.
- Total Soil Combined\* : 500 mg/kg (Residential) and 1,600 mg/kg (Comm/Industrial)
- The Texas-specific background level is 15 mg/kg. This background value, or a higher site-specific background level, essentially replaces the 3.0 mg/kg soil to groundwater cleanup level mentioned above.

\*Total Soil Combined: Combined inhalation of volatile emissions and particulates from COCs in surface soil, dermal contact with COCs in surface soil, ingestion of COCs in surface soil, and for affected residential properties, ingestion of above and below-ground vegetables grown in surface soils containing COCs.

When a Municipal Settings Designation (MSD) is used at a VCP site, then the soil to groundwater pathway is not evaluated, and the Total Soil Combined: 500 mg/kg (Residential) and 1,600 mg/kg (Comm/Industrial) will typically be the critical clean up levels.

Hope this helps. Let us know if you need any additional information or would like to discuss.

Richard Scharlach P.G.

Team Leader

VCP CA Section Team 3

Remediation Division

Texas Commission on Environmental Quality

512 239 1787



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**From:** Peycke, Karen [mailto:Peycke.Karen@epa.gov]

**Sent:** Wednesday, February 18, 2015 9:35 AM

**To:** Richard Scharlach; Kristian Livingston; Nathan Hoppe; Anna Brulloths

**Cc:** Kemp, Mary; Johnson, Paul; Perry, Amber

**Subject:** Lead Screening Levels for Residential, Commercial, and Industrial Uses

Kristy, Nate, Richard and Anna:

Hi! Our HQ office is reviewing the current screening levels for lead in soils and asked the Regions to gather information from State VCPs about cleanups based upon lead screening levels – residential,

commercial, industrial. HQ asked us to gather the following:

“ . . . examples of sites where lead was a contaminant but cleanup decisions were influenced by different standards for different reuses or where site cleanup was overseen by State VCP program. Excavated, capped, .... Any explanation is valuable . . .”

Can you send me the lead in soils screening levels for residential, commercial and industrial cleanups AND examples of cleanups (residential, commercial, industrial) that were based upon these screening levels by February 25, 2015?

Your assistance is greatly appreciated. If you have questions or need additional information, please feel free to call me at 214-665-7273.

Thank you

Karen Peycke

Brownfields Project Manager

US EPA Region 6

214-665-7273